



G-ENERGY

IMAGINE . INSPIRE . INNOVATE



BUILDING CONTROLS

BMS System, Chiller Controls, Building Controls



DG-
Energy
Controls

PROFESSIONAL SERVICES

Mechanical and Electrical Consultancy,
Professional Engineer Services



GMEP



ING-
Energy
EPC

INDUSTRIAL ARM

Energy Audit, Energy Consultancy, BCA
Green Mark, Retrofitting consultancy



G-
Energy
Global

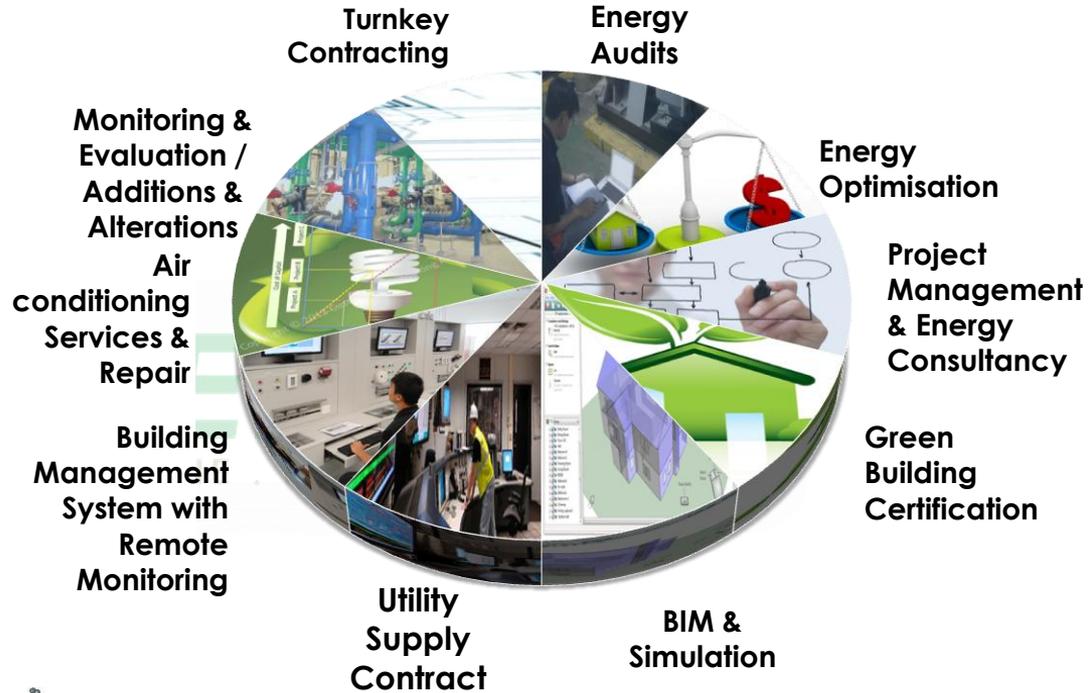
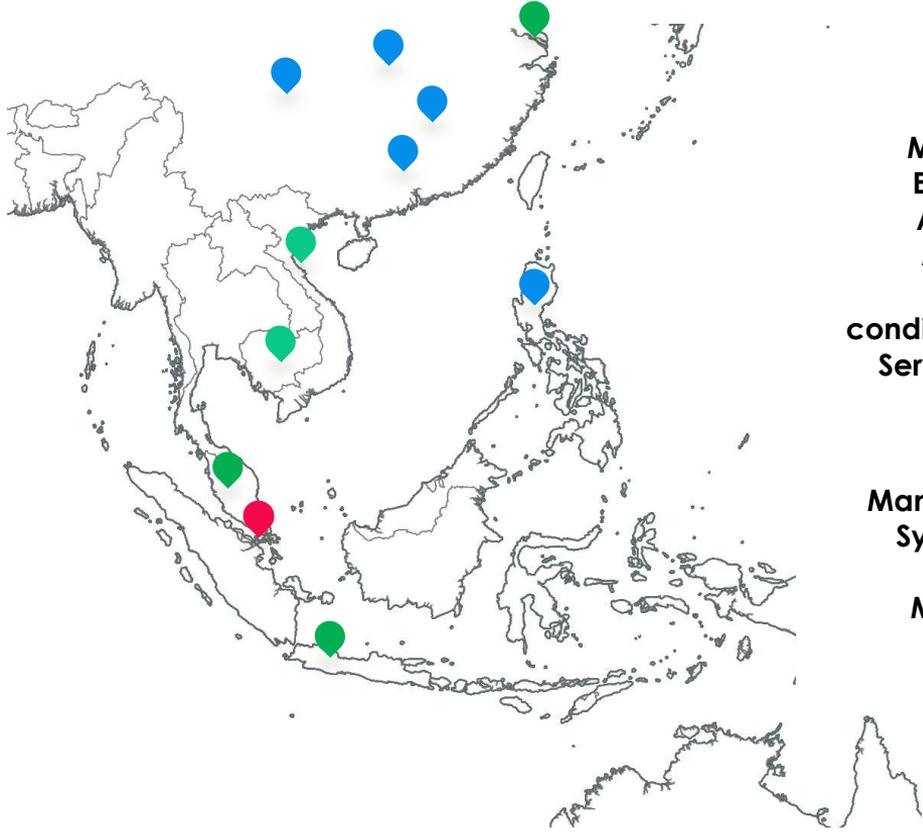
COMMERCIAL ARM

Energy Audit, Energy Consultancy, BCA
Green Mark, Retrofitting consultancy

NEW BUILDING ARM

Energy Audit, Energy Consultancy, BCA
Green Mark, Simulations, BIM

OUR PRESENCE AND SERVICES



CHINA.MALAYSIA.INDONESIA.VIETNAM. SINGAPORE. PHILLIPINES.BRUNEI.CAMBODIA

SINGAPORE



One Pearl Bank



Nassim Hills



The Garden Residence



One Shenton



Le Quest Condo

MALAYSIA



IB Tower



Menara Binjai



Sunway Pinnacles



Sunway Clio Hotel

INDONESIA



Thamrin Nine 2



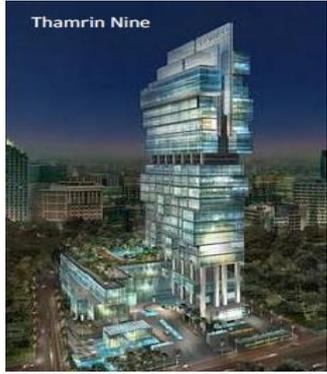
Four Season



St. Regis



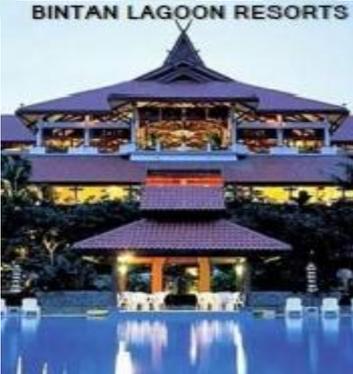
Batam Island Development



Thamrin Nine 1



Plaza BII



Bintan Lagoon Resort



Green Bay Pluit



P&G Factory

中国工程案例



无限极总部大楼



杭州海创基地



无锡华瑞制药



上海移动通信



上海地铁2号线



赫基国际大厦



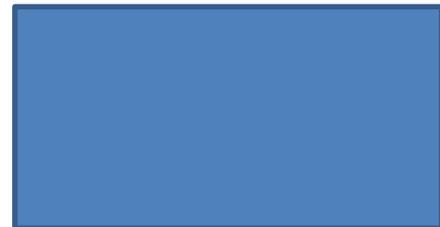
埃克森美孚上海研发中心



伊势丹



雅培浙江嘉兴



广州兴森快捷电路科技

VIETNAM



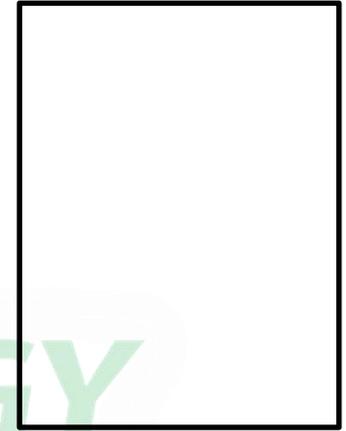
Saigon Centre, HCMC



The Vista, HCMC



Onehub Saigon Phase I, HCMC



Northstar, Hanoi



ENERGY

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Saigon Sports City (Residential),
HCMC



Empire City Phase I, HCMC



X-Power Factory, HCMC



UOB Sukhumvit



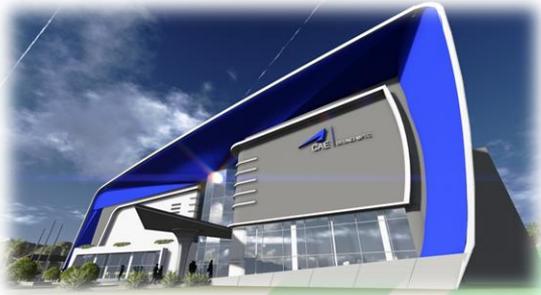
UOB Phetkasem

- Consists of 2 blocks Office Buildings & 1 block Data Centre
- Targeting Green Mark Goldplus

G-ENERGY
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- Office Building
- Targeting Green Mark Platinum

BRUNEI



Brunei Multi-purpose Training Centre



International School Brunei



Anggerek Desa Technology Park Phase 3



Brunei Cancer Centre

ENERGY
INSPIRE . INNOVATE .

Our Value Proposition

To align our Green Solutions with customer's corporate mission

and to create values beyond their expectations

Direct energy cost reduction

Free up valuable space

Improve productivity

Better engineering

Environmental

Enhance asset
reliability

Raise competency

Branding

We provide Performance-based solution, not just coordination!

PUSHING BOUNDARIES

- 🍃 Modify AHU with pre-cool coil (no additional power needed) **SIA Training Centre 2007**
- 🍃 1st to run high chilled water temperature – **Tokio Marine 2009**
- 🍃 1st to convert split units to chilled water system – **Great World Serviced Apartments 2010**
- 🍃 1st Green Mark Platinum building utilizing incentive – **City Square Mall 2008**
- 🍃 1st project to use VSD screw chillers – **SIA Training Centre 2007**
- 🍃 One of first projects to use magnetic bearing chillers – **North Bridge Centre (Year 2012 @ IECO)**
- 🍃 1st project to design and use water-cooled VRV – **School of Science and Technology 2011**
- 🍃 Changing high tension chiller gear to boost chiller efficiency & tonnage (Chillers tonnage increase by 20% and efficiency improve by 15%) – **Wacker Siltronic Wafer Fab 2006**
- 🍃 Combining 3 plantrooms – **Shaw Centre & Shaw House 2011**
- 🍃 Design 1st high-chilled water fan coil - **Hotel Boss 2013**
- 🍃 1st to use solar driven chiller – **Samwoh hub 2018**

GEG is looking to continue this trend of innovation

PROVEN TRACK RECORDS

TOKIO MARINE CENTER



TOKIO MARINE
INSURANCE GROUP

G-ENERGY
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Our Involvement

- ✓ **Green Mark, Energy and Chiller Plant Design** Consultant
- ✓ Achieved the **best plant room efficiency** in Singapore in 2015
- ✓ **Green Mark Gold ^{Plus} Award**
- ✓ **Green** Features includes:
 - ✓ Heat Pipe for relative humidity control
 - ✓ VAV thermally diffuser
 - ✓ Automatic condenser tube cleaning system

CARRIER CONGRATULATES TOKIO MARINE INSURANCE SINGAPORE LTD

for achieving a new industry standard in Air Conditioning System Efficiency at Tokio Marine Centre

"We are honoured to be part of the design team that achieved the Best Chiller Plant Performance in Singapore."

Lim Jit Seng
President
Energy & Sustainable Design Consultant
(Accredited ESCO)
G-Energy Global Pte Ltd

0.508 kW/RT
Weighted Average Chiller Plant Efficiency by Independent Auditor



Carrier Evergreen® 23XRV Chiller



Owner: Tokio Marine Insurance Singapore Ltd
Gross Floor Area: 14,500 sqm
M&E Engineer: Vincent Han & Associates
Energy & Green Mark Consultant:
G-Energy Global Pte Ltd
M&E Contractor: Kurthara Kogyo Co. Ltd
BCA Green Mark Award: Gold Plus
Main Chillers: 2 units of Carrier 560RT
Evergreen 23XRV Variable Speed Screw Chiller
on HFC134a Refrigerant



turn to the experts

20 McClann Street, Singapore 069046



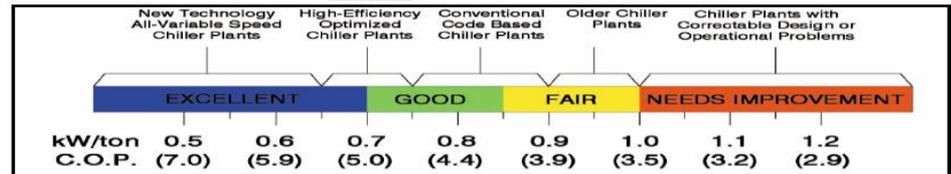
Green Mark - GoldPlus



ASEAN Energy Award 2012

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ASHRAE Journal



**Best Plantroom System Efficiency in Town
(Verified by 3rd Party)**

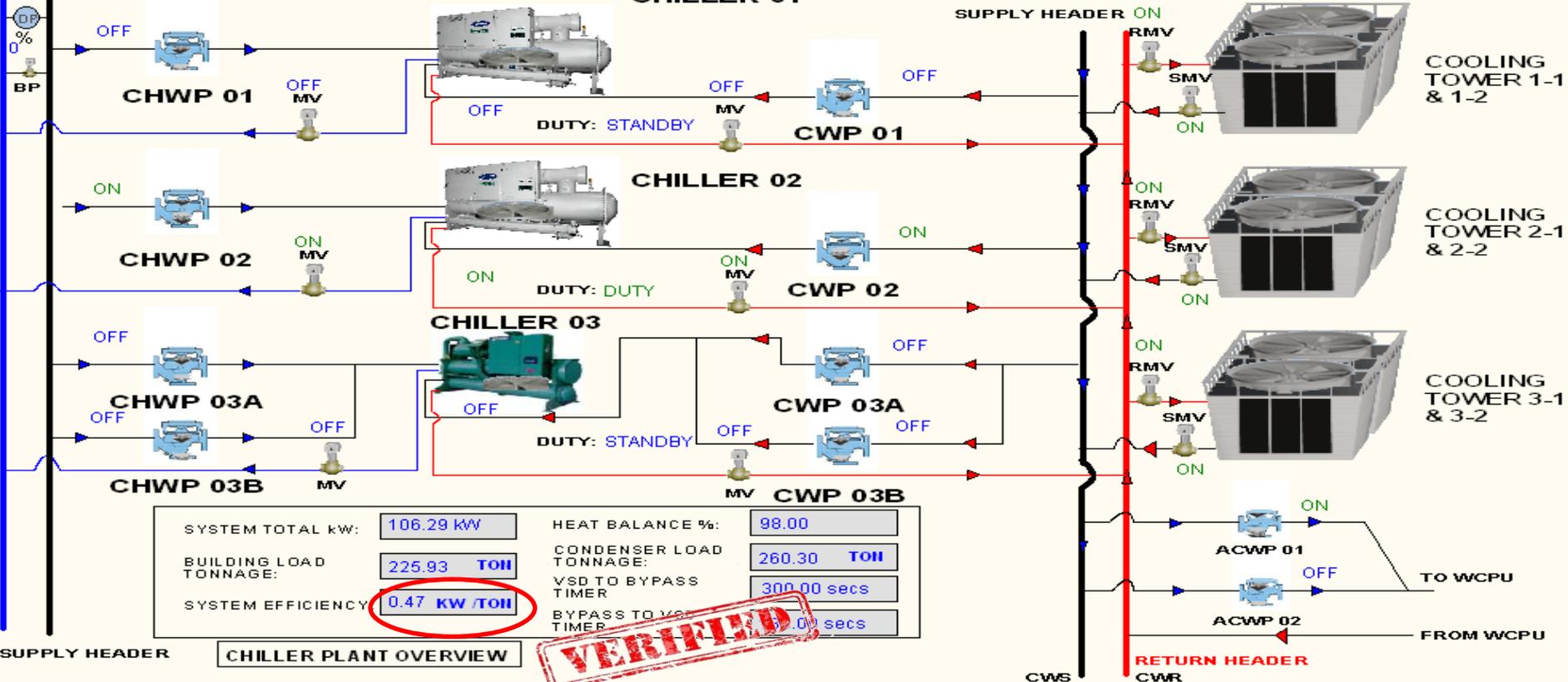


CHILLER SYSTEM MIMIC PANEL



RETURN HEADER

HEADER DP: 316.00 kPa: 900.00



SUPPLY HEADER

CHILLER PLANT OVERVIEW

CWS

RETURN HEADER

CWR

PROVEN TRACK RECORDS

Six Battery Road



CapitaLand

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Our Involvement

- ✓ **Green Mark and Energy Consultant**
- ✓ **Achieved plant room efficiency of 0.65kW/RT**
- ✓ **1st Existing Building Green Mark Platinum Award**
- ✓ **Savings of more than \$490,000 per year**

PROVEN TRACK RECORDS

Great World City and Service Apartment



Our Involvement

- ✓ **Energy and Chiller Replacement** Consultant
- ✓ Achieved **plant room efficiency** of 0.65kW/RT
- ✓ **Convert Service Apartment Unitary Air Conditioning system to Chilled Water System and combine to the Centralized Chilled Water Plant**
- ✓ **Savings of more than \$1,300,000 per year**

COMPANY MILESTONES

2005

Oct'06
Accredited ESCO by ESU-NUS

2006

Oct'06
Registered as SCEM Trainers

2007

Apr'07
Certified ISO 9000 & ISO 14000
Oct / Nov'07
Appointed as SCEM & BCA GMM/GMP Trainers

2008

May'08
Best Plantroom Efficiency - Tokio Marine Center
(Weighted Average at 0.508kW/RT)

2009

Apr'09
Received Frost & Sullivan's
Customer Value Enhancement Award
Apr'09
SIA Training Centre won
ASEAN Energy Award

2010

Apr'10
Fuji Xerox Building won ASEAN Energy Award

2011

Apr'11
City Square Mall & Robert Bosch won ASEAN
Energy Award

2012

May'12
ESCO of the year Award
- Frost & Sullivan's
Sep'12
Capitaland 'Because iCare Award'
Apr'12
Tokio Marine won ASEAN Energy Award

2013

Aug'13
Top in Emerging Enterprise Award 2013

2014

May'14
Best BCA Green Advocates Award
Singapore SME 1000 Company Award
Appointed by REHDA (Malaysia)
as GreenRE Trainers

2015

Apr'15
ESCO of the year award - Frost & Sullivan's
Ocean Financial Centre won ASEAN Energy
Award
OFC ASEAN Energy Award



MILESTONES & ACHIEVEMENTS

2017

- Top Winner for ASEAN Energy Award
 - NEXUS@ One-North
 - Ng Teng Fong General Hospital & Jurong Community Hospital
- 2nd Runner-up for ASEAN Energy Award
 - Westgate Mall & Westgate Tower

2018

- Energy Efficiency National Partnership Winner 2018 (Outstanding Energy Services Provider)

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TRACK RECORDS

Commercial



Industrial

- 396 Alexandra (UOB)
- National Museum
- OCBC Tampines 1 & 2
- Jewel @Changi Airport
- Commerce Point
- Fuji Xerox Tower
- Hong Leong Building
- JTC Summit
- New Tech Park
- Ocean Tower

- Plaza By The Park
- Raffles City
- Republic Plaza
- Keppel Tower
- Marina BFC
- Tokio Marine
- Icon @ IBP
- 20 Anson Rd
- Robert Bosch HQ
- 6 Battery Road
- Robertson Walk

- Square Two Mall
- King's Centre
- MND Building
- Palais Renaissance
- DBS Tower
- OCBC Centre
- One Raffles Quay
- HSBC Building
- Apple Centre
- Orchard Emerald
- Metropolis
- Fusionopolis Phase 3
- (Bedok Interchange)

- Environment Bldg
- One George Street
- Great World City
- Tanglin Mall
- Capital Tower
- Tung Centre
- OG Albert Complex
- North Bridge Centre
- Nepal Hill
- Ocean Financial Centre

- Jurong Gateway
- Lot One
- Junction 8
- Mewah IBP
- Shaw House
- Shaw Centre
- Cold Storage
- Chinatown Point
- Bartley Biz Hub
- Bukit Timah S C
- Orchard Gateway
- NTFGH/JCH
- Prudential Tower

- BAX Global
- British America Tobacco
- Tic Tech Center
- Siltronic Semiconductor
- Shell Eastern Petroleum
- Shell Marketing Centre
- Singapore Airline (Computer)
- Glaxosmithkline

Singtel:

- (Bukit Timah SES)
- (East Exchange)
- (Geylang Exchange)
- (Seletar SES)
- (Tuas Exchange)
- Universal Terminals
- Tampines Industrial Building
- Singapore Aerospace Manufacturing
- Shell Bukom

- TOTAL Petrochemicals
- Asia Pacific Breweries
- Rolls Royce
- Hyflux
- DORMA GmbH
- ST Marine
- Tractors Singapore
- BP Petroleum
- SMRT
- Jurong Port
- ASM Technology
- Abbott

TRACK RECORDS

Hotels



Residential & Club Houses



Schools



Hospitals



Overseas Projects



- Amara Hotel
- Chagala Hotel (Kazakhstan)
- Changi Village Hotel
- Orchard Parade Hotel
- Shangri-La Hotel
- Traders Hotel
- Specialist Centre Hotel Phoenix
- Furama Riverfront
- Fullerton Hotel

- Resorts World Sentosa
- Marina Mandarin Hotel
- Mandarin Orchard Hotel
- Hilton Hotel
- V Hotel
- Hotel Star
- Kallang Hotel
- Bencoolen Hotel
- Park Royal, Kitchener
- St Regis Singapore
- YMCA

- Buckley 18 Drive
- Kim Lin
- Nassim Hill
- Oceanfront
- One Shenton
- Parkview
- Shelford
- Solitaire
- 68 Binjai Park
- 16A Leedon Park
- Great World Service Apartment

- Orchid Country Club
- Singapore Island Country Club
- Singapore Turf Club
- Resorts World Sentosa (Universal Studio)

- Singapore Library (Central, Geylang East)
- Paya Lebar Methodist Girls' School (Secondary)
- Nanyang Polytechnic
- Temasek Polytechnic
- Republic Polytechnic
- Nanyang Technological University
- National

- Ministry of Health Holdings
- Alexandra Health
- Jurong Health
- Parkway Novena Pte Ltd & Parkway Irrawaddy Pte Ltd
- Khoo Teck Phuat Hospital
- Ng Teng Fong 1 Hospital

CHINA:

- Jin Mao Tower
- Nan Hui Condo
- Lakeside Condo
- Amara Hotel
- TianJin Eco-city

PHILLIPINES:

- LV Losin
- SM Mall
- PB Com

MALAYSIA:

- G Tower KL
- IB Tower KL
- Sentral Platinum

- W Hotel & Residence
- Sunway Pyramid
- Tropicana International School
- Bangsar Enclave
- Tropicana Avenue
- Rawang Land
- Setia Greens
- The Light Collection



G-Energy Global Pte Ltd
Energy Services Company (ESCO)

Thank You.

No Green Effort Is Too Small



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